

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-39. (Cancelled)

40. (New) An implantable medical device comprising a stent, a non-woven framework attached to said stent, and *in vitro* seeded cells within said non-woven framework, wherein said non-woven framework comprises stainless steel fibers and pores having an average size of at least 40  $\mu\text{m}$ , wherein said non-woven framework is not coated with an extracellular matrix protein, and wherein said implantable medical device is implantable within the vascular system of a mammal via percutaneous deployment.

41. (New) The implantable medical device of claim 40, wherein said cells express a polypeptide selected from the group consisting of vascular endothelial growth factor, natriuretic peptide, prostacyclin synthase, angiostatin, endostatin, erythropoietin, and a marker polypeptide.

42. (New) The implantable medical device of claim 40, wherein said stent is balloon expandable or self-expanding.